



## Financial Assistance

### DENALI COMMISSION

510 "L" Street, Suite 410  
Anchorage, Alaska 99501

(907) 271-1414 (phone)

(907) 271-1415 (fax)

www.denali.gov

Project Number A-2002-10

Project Title Dust Control Demonstration Project

Performance Period March 2003 December 2003

#### Recipient Name & Address

State of Alaska  
Department of Transportation and Public Facilities  
Contact: Mike McKinnon  
Address: 3132 Channel Drive, Juneau, AK 99801  
Phone: 907.465.4069  
Fax: 907.465.6984

Authority  
112 Stat 1854

Denali Commission Finance  
Officer Certification

CGG

#### Cost Share Distribution Table

Accounting Code	Denali Commission	Other Contributors	Total
95670000	\$500,000		\$500,000
			\$0
			\$0
			\$0
Total	\$500,000	\$0	\$500,000

This Financial Assistance approved by the Federal Co-Chair of the Denali Commission is issued in triplicate and constitutes an obligation of federal funding. By signing the three documents, the Recipient agrees to comply with the provisions indicated below and attached. Upon acceptance by the Recipient, two signed copies shall be returned to the Federal Co-Chair of the Denali Commission and the Recipient shall retain the third document. If not signed and returned without modification by the Recipient within 30 days of receipt, the Federal Co-Chair may unilaterally terminate this assistance document.

- ☒ Special Award Conditions and Attachments – Memorandum of Agreement for Project No. A-2002-10  
☐ Line Item Budget  
☐ OMB Circular A-133, Audits of States, Local Governments and Indian Tribal Governments  
([www.whitehouse.gov/OMB/circulars/a133/a133.html](http://www.whitehouse.gov/OMB/circulars/a133/a133.html))

#### Administrative Requirements (check one)

- ☒ 15 CFR 24, Uniform Admin Requirements for Grants/Cooperative Agreements to State and Local Governments  
([www.access.gpo.gov/nara/cfr/waisidx\\_99/15cfr24\\_99.html](http://www.access.gpo.gov/nara/cfr/waisidx_99/15cfr24_99.html))  
☐ 15 CFR, Part 14, Uniform Administrative Requirements for Grants and Agreements with Institutions of Higher Education, Hospitals, Other Nonprofit, and Commercial Organizations  
([www.access.gpo.gov/nara/cfr/waisidx\\_99/15cfr14\\_99.html](http://www.access.gpo.gov/nara/cfr/waisidx_99/15cfr14_99.html))

#### Cost Principles (check one)

- ☒ OMB Circular A-87, Cost Principles for State and Local Governments and Indian Tribal Governments  
([www.whitehouse.gov/OMB/circulars/a087/a087-all.html](http://www.whitehouse.gov/OMB/circulars/a087/a087-all.html))  
☐ OMB Circular A-122, Cost Principles for Nonprofit Organizations  
([www.whitehouse.gov/OMB/circulars/a122/a122.html](http://www.whitehouse.gov/OMB/circulars/a122/a122.html))  
☐ OMB Circular A-21, Cost Principles for Educational Institutions  
([www.whitehouse.gov/OMB/circulars/a021/a021.html](http://www.whitehouse.gov/OMB/circulars/a021/a021.html))  
☐ 48 CFR 31.2, Contracts with Commercial Organizations

Signature of Authorized Official - Denali Commission

Jeff Staser

Typed Name and Title

Jeffrey B. Staser, Federal Co-Chair

Date

3/10/03

Signature of Authorized Official

Mike Barton

Typed Name and Title

Mike Barton, Commissioner

Date

3/17/03

**MEMORANDUM OF AGREEMENT  
BETWEEN THE  
ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
AND THE  
DENALI COMMISSION**

**FOR A DUST CONTROL DEMONSTRATION PROJECT  
DENALI COMMISSION PROJECT NO. A-2002-10**

March 2003

**Parties and Purpose**

This Memorandum of Agreement (MOA) establishes an Agreement between the Alaska Department of Transportation and Public Facilities hereinafter referred to as DOT&PF, and the Denali Commission (an independent agency established by the Denali Commission Act of 1998) hereinafter referred to as the Commission.

The purpose of this Agreement is to establish the guidelines for completing a demonstration of effective dust control techniques to confirm suitability for village use, and to outline the costs of maintaining dust control efforts over time.

**Background**

In the last twenty years, even the smallest Alaska villages have developed vehicle fleets with large numbers of 4-wheel ATV's and at least several small trucks traveling on unpaved village roads. Larger villages and regional hubs including Bethel, Galena, Nome, Kotzebue and Barrow have a full range of vehicles including large trucks operating on local roads. In almost all these villages, airports are also generally not paved.

These roads and airports produce large amounts of dust that are a health hazard to residents. Regional health organizations report increased incidence of asthma amongst children and emphysema amongst elders due to PM10 particulates. In many villages traffic dust contaminates drying fish and meat. Road dust results in reduced visibility that results in travel safety problems.

Paving roads and airports with asphalt, a sound solution in cities and the regional hubs is expensive for small villages and is difficult to maintain on a routine basis. Dust control measures more appropriate to villages, include chip seal, high float and dust palliative chemicals provide cost-effective, long lasting solutions.

**Scope of Work**

The Commission shall provide \$500,000 to DOT&PF for the development of a construction phase dust control strategy to serve rural Alaskan villages. Strategies may include barge-mounted chip seal operations where appropriate and aircraft-based mobile chemical application operations where soil conditions or other factors make this application most appropriate.

DOT&PF shall manage the contract(s) for this project, and provide technical consultation and support at all project stages as well as review. For successful project completion, DOT&PF shall:

- a. Determine the most cost-effective and efficient dust control techniques for use in small, medium and large villages.
- b. Within village size considerations, determine which type of dust control technique works best for soil types.
- c. Apply dust control measures to selected villages in the Nome Maintenance District (Teller, Brevig Mission, White Mountain, Elim, Golovin, and Unalakleet) and monitor those applications for sustainability.
- d. Train village residents and establish partnerships for conducting dust control monitoring, including ambient air and application conditions.
- e. Submit a final project report.

The total Commission funding for this Agreement is \$500,000 and is intended for use for the scope of work identified in the Agreement document only. In the event there is a balance of funding after the full scope of work is completed, then the Commission (in consultation with DOT&PF) will determine how the excess funds will be allocated. The final decision on how excess funds are used is a Commission decision, and may include withdrawing excess funds for reallocation to other Commission projects. DOT&PF will return any unexpended project funds (based upon pro rata project contributions) to the Commission at the end of the project Period of Agreement.

**Period of Agreement, Amendment and Termination of Agreement**

This Agreement shall be effective as of the date of the last signature and will remain in effect for a nine-month period. The Agreement will terminate upon the completion of the project, but may be amended at any time by mutual consent of the parties. Either party may terminate this Agreement by providing 60 days advance written notice to the other party.

**Reporting**

A final report on the statewide dust control project shall be due by the end of the Agreement period. The final project report shall establish a basis for a multi-year construction program that applies the initial year treatment, and include both a narrative and financial summary of the following:

- a. Conclusions reached from the dust control measures taken, including paving, chip seal and other surface sealant, and annual chemical applications;
- b. Expenditure attribution by village and activity;
- c. A range for annual expenditures required for each technique (by village size and soil type) to continue dust control after initial applications are in place;
- d. Incorporation of findings from related projects completed in Alaska in the 2003 construction season (i.e. Kotzebue, Barrow, Anaktuvuk Pass); and
- e. Photographic documentation showing "before" and "after" for each site to the extent possible.

**Contact Information**

For general information relating to the Agreement, contact:

DOT&PF Representative	Commission Representative
Mike McKinnon Senior Transportation Planner Alaska Department of Transportation & Public Facilities 3132 Channel Drive Juneau, AK 99801-7898  907.465.4069 907.465.6984 <a href="mailto:mike_mckinnon@dot.state.ak.us">mike_mckinnon@dot.state.ak.us</a>	Yuri Morgan Denali Commission 510 "L" Street, Suite 410 Anchorage, AK 99501  (907) 271-2372 Direct Line (888) 480-4321 Toll Free (907) 271-1415 Fax <a href="mailto:ymorgan@denali.gov">ymorgan@denali.gov</a>

**MEMORANDUM OF AGREEMENT - PROJECT No. A-2002-10**  
**Dust Control Demonstration Project**

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**March 2003**

**Other Provisions**

If the terms of this Agreement are inconsistent with existing directives of either party entering into this Agreement, then those portions of the Agreement that are determined to be inconsistent shall be invalid but the remaining terms and conditions shall remain in full force and effect.

Should disagreement arise on the interpretation of the provisions of this Agreement, or amendments and/or revisions thereto, that cannot be resolved at the operating level, the area(s) of disagreement shall be stated in writing by each party and presented to the other party for consideration. If agreement on interpretation is not reached within thirty calendar days, the parties shall forward the written presentation of the disagreement to respective higher officials for appropriate resolution.

IN THE WITNESS WHEREOF, the parties have subscribed their names,

3/17/03  
Date

Mike Barton  
Mike Barton  
Commissioner  
Alaska Department of Transportation & Public Facilities

3/10/03  
Date

Jeff B. Staser  
Jeff B. Staser  
Federal Co-chair  
Denali Commission